WHAT IS CLAIMED IS:

- 1. A semiconductor laser device comprising:
- an active layer; and
- a first cladding layer formed on the active layer, the first cladding layer being doped with a first impurity to have a high resistivity.
 - 2. The semiconductor laser device of claim 1, further comprising:
 - a second cladding layer formed on the first cladding layer, the second cladding layer being doped with a second impurity to have a resistivity lower than the resistivity of the first cladding layer.
- 3. The semiconductor laser device of claim 2, wherein the first and second cladding layers are made of respective compound semiconductors having substantially the same mobilities.
 - 4. The semiconductor laser device of claim 3, wherein

each of the first and second cladding layers is made of a compound semiconductor

containing phosphorus,

the first impurity is magnesium, and the second impurity is zinc.

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- 5. The semiconductor laser device of claim 4, wherein a concentration of the first impurity in the first cladding layer is not less than 5×10^{16} cm⁻³ and not more than 1×10^{18} cm⁻³.
- 6. The semiconductor laser device of claim 3, wherein the first cladding layer also contains a third impurity.
 - 7. The semiconductor laser device of claim 6, wherein

each of the first and second cladding layers is made of a compound semiconductor containing phosphorus,

the first impurity is magnesium, and each of the second and third impurities is zinc.

- 8. The semiconductor laser device of claim 7, wherein a total concentration of the first and third impurities in the first cladding layer is not less than 1×10^{18} cm⁻³ and not more than 5×10^{18} cm⁻³.
 - 9. The semiconductor laser device of claim 3, wherein

each of the first and second cladding layers is made of a compound semiconductor containing arsenic,

the first impurity is carbon, and

10 the second impurity is zinc.

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- 10. The semiconductor laser device of claim 2, wherein the second cladding layer is formed into a ridge-shaped configuration on the first cladding layer.
- 11. The semiconductor laser device of claim 2, wherein the second cladding layer has a lower portion thereof formed into a stripe configuration.
- 12. A method for fabricating a semiconductor laser device, the method comprising the steps of:

forming an active layer on a substrate; and

forming a first cladding layer on the active layer, while doping the first cladding layer with a first impurity, wherein

in the step of forming the first cladding layer, the first impurity is doped so that the first cladding layer has a high resistivity.

13. The method of claim 12, further comprising the step of:

forming a second cladding layer on the first cladding layer, while doping the second cladding layer with a second impurity, wherein

in the step of forming the second cladding layer, the second impurity is doped so

that the resistivity of the first cladding layer is higher than a resistivity of the second cladding layer.

14. The method of claim 13, wherein

each of the first and second cladding layers is made of a compound semiconductor containing phosphorus,

the first impurity is magnesium, and

the second impurity is zinc.

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15. The method of claim 13, wherein the step of forming the first cladding layer includes doping the first cladding layer with a third impurity in addition to the first impurity.

16. The method of claim 15, wherein

each of the first and second cladding layers is made of a compound semiconductor containing phosphorus,

the first impurity is magnesium, and

each of the second and third impurities is zinc.